PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1 – 18. (Canceled)

19. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein the transmitter further transmits a limited portion of the data in the data buffer autonomously, irrespective of whether an access grant has been received.

20. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein the transmitter transmits on one of a plurality of channels subsequent to a received grant.

21. (Currently Amended) The remote station of claim 20 ~~18~~, wherein the transmitter transmits on two or more of a plurality of channels subsequent to a received grant.

22. (Original) The remote station of claim 21, wherein the received grant is an individual grant, comprising a long grant flag, the long grant flag asserted.

23. (Original) The remote station of claim 21, wherein the received grant is a common grant.

24. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein a grant comprises a T/P value.

25. (Original) The remote station of claim 24, further comprising a processor for selecting transmission parameters based on a T/P value.

26. (Original) The remote station of claim 25, wherein the transmission parameters comprise an encoder packet size.

27. (Original) The remote station of claim 25, wherein the transmission parameters comprise an expected number of subpacket transmissions.

28. (Original) The remote station of claim 27, wherein the number of expected subpacket transmissions selected is the maximum number of subpacket transmissions.

29. (Original) The remote station of claim 27, wherein the number of expected subpacket transmissions selected is less than the maximum number of subpacket transmissions.

30. (Original) The remote station of claim 25, wherein the transmission parameters comprise a modulation format.

31. (Original) The remote station of claim 25, wherein the transmission parameters comprise a transmit power level for a secondary pilot channel.

32. (Original) The remote station of claim 25, wherein the processor reduces the T/P when the transmitter has insufficient transmit power to transmit according to the unreduced T/P.

33. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein:

the receiver further receives an ACK-and-Continue command; and

the transmitter transmits an additional portion of data from the data buffer in response to a previously decoded access grant.

34. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein:

the receiver further receives an ACK command; and

the transmitter ceases transmitting data from the data buffer in response to a previously decoded access grant.

35. (Original) The remote station of claim 34, wherein the transmitter further transmits a limited portion of the data in the data buffer autonomously, subsequent to a received ACK.

36. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein:

the receiver further receives a NAK command; and

the transmitter retransmits the portion of data from the data buffer previously transmitted in response to a previously decoded access grant.

37. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein the message generator generates an access request message conditioned on the amount of data in the data buffer exceeding a pre-determined threshold.

38. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein the message generator generates an access request message conditioned on a Quality of Service (QoS) service level.

39. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein the message generator generates an access request message conditioned on re-request conditions being satisfied with respect to a previously generated access request message.

40. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein the message generator generates an access request message conditioned on desired data transmission latency.

41. (Currently Amended) A remote station, comprising:

a data buffer for receiving data for transmission;

a message generator for generating an access request message when the data buffer contains data for transmission;

a receiver for receiving one or more individual grant channels and one or more common grant channels from a base station;

a message decoder for decoding an access grant directed to the remote station, the access grant comprising an individual grant directed on one of the one or more individual grant channels or a common grant on one of the one or more common grant channels; and

a transmitter for transmitting the access request message and for transmitting a portion of data from the data buffer in response to a decoded access grant ~~The remote station of claim 18~~, wherein the message generator generates an access request message conditioned on desired data transmission throughput.

42 – 85. (Canceled)